

**ABSTRACT OF THE DISCLOSURE****METHOD FOR GENERATING A BASE BAND SIGNAL REPRESENTATIVE  
OF THE TRANSMITTED RADIOFREQUENCY POWER, CORRESPONDING  
DEVICE AND TRANSMITTING STATION**

5 This invention relates to a method for the generation of a base band signal ( $V_p$ ) representative of the power transmitted by a transmitting station. This base band signal is used particularly for controlling the transmission power in a transmitting station. According to the invention, a part ( $S'$ ) of the radiofrequency signal  $S$  transmitted by the transmitting station is extracted and is then mixed with itself to generate a voltage signal ( $S''$ ) with at least one DC component. The voltage signal ( $S''$ ) is then filtered and finally amplified using a logarithmic function.

10 Fields of application: mobile radio telecommunication systems.

15 FIG. 2